

Nonprovisional Patent Application Serial No.: 09/430,642
Attorney Docket No.: 14123-58

AMENDMENTS TO THE CLAIMS

1-6. (Cancelled)

7. (Currently Amended) An embedded coupled shaped dielectric waveguide resonator ~~according to claim 9~~ comprising:

a metal support substrate;

a first green tape stack adhered to the support substrate;

cavity openings in the first green tape stack to provide walls and coupling apertures in the green tape stack;

a conductive layer over said first green tape stack; and

a second green tape stack mounted on said conductive layer, wherein E-plane probes are inserted through openings in said second of the two green tape stacks and connected to microstrip transmission lines on the surface of said second green tape stack.

8. (Cancelled)

9. (Cancelled)

10. (Currently Amended) An embedded coupled shaped dielectric waveguide resonator ~~according to claim 9~~ comprising:

a metal support substrate, wherein said metal support substrate is of copper clad molybdenum;

a first green tape stack adhered to the support substrate,

cavity openings in the first green tape stack to provide walls and coupling apertures in the green tape stack;

a conductive layer over said first green tape stack; and

a second green tape stack mounted on said conductive layer.